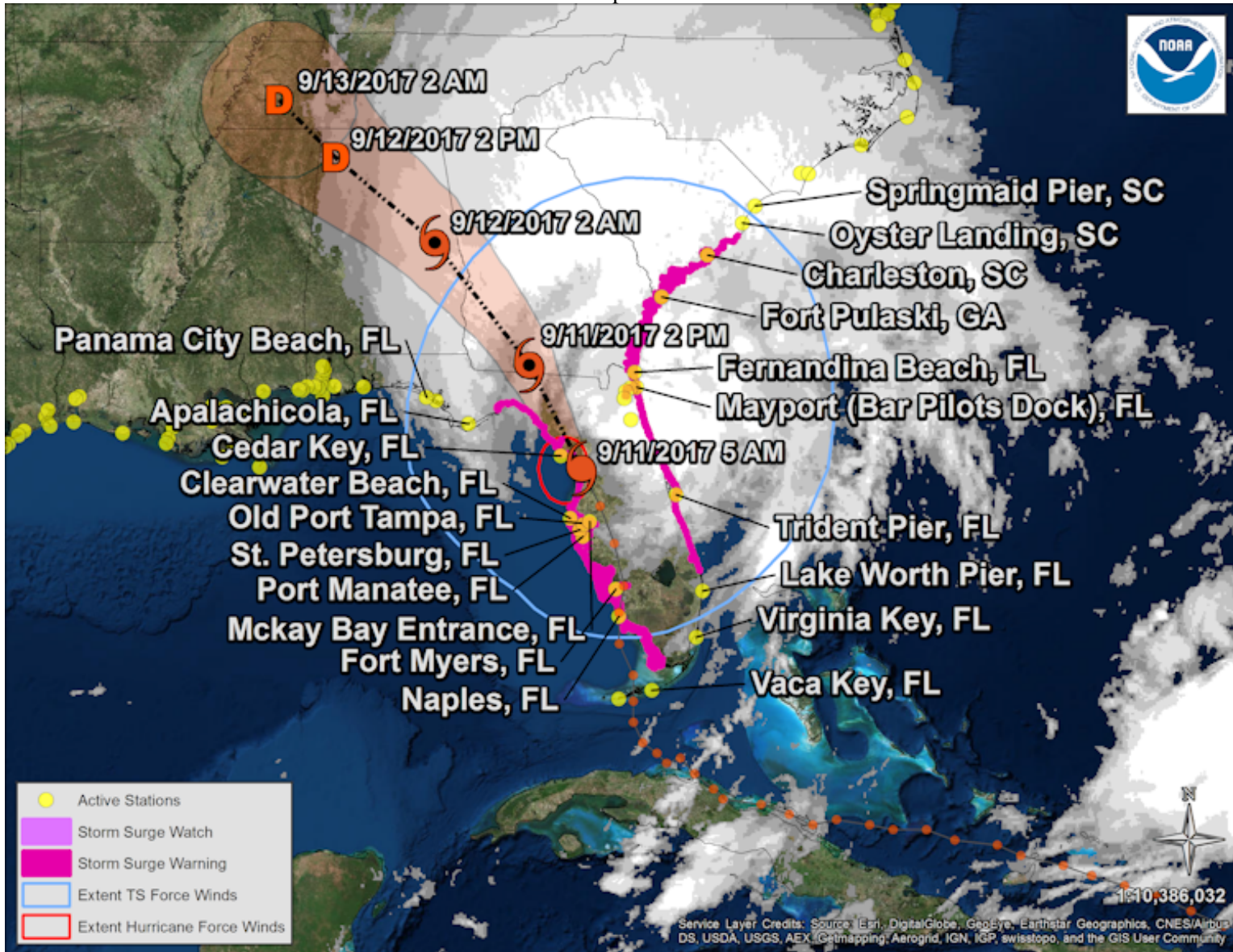




Hurricane IRMA QuickLook
Posted: 06:00 EDT 09/11/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/11/2017 06:00 EDT, water levels along the Gulf Coast of Florida from Fort Myers to Clearwater Beach and within Tampa Bay have been rising significantly over the past several hours following the passage of the center of Irma.

Ahead of the center of circulation from Cedar Key, FL to Panama City Beach, FL water levels have dropped, though water levels at Cedar Key have now begun to rise after reaching almost 9 feet below tide levels with the center of Irma situated just to the southeast as of the latest NHC advisory.

Water levels along the southeast U.S. coast of from Trident Pier, FL to Springmaid Pier, SC remain elevated and range from 1.7 to 7.7 feet above normal tide levels. However the largest residuals are presently coinciding with low tide resulting in a lower overall water level.

Behind the main circulation, water levels at Naples, FL have dropped again and are now 1.5 feet above tide predictions. Water levels from Lake Worth Pier, FL to Vaca Key, FL have fallen and are within 1 foot of normal tide levels.

Winds are strongest along the southeast coast with speeds of 35 to 45 knots at Trident Pier, FL, Mayport, FL and Fort Pulaski, GA. Along the Gulf coast of Florida, winds are generally ranging from 20 to 40 knots with higher gusts. Barometric pressure continues to rapidly fall across northern Florida and has begun to rise across southern Florida behind the storm.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Hurricane Irma Advisory Number 49
NWS National Hurricane Center Miami FL AL112017
500 AM EDT Mon Sep 11 2017
...IRMA CONTINUES TO WEAKEN AS THE CENTER MOVES ALONG THE NORTHWESTERN COAST OF THE FLORIDA PENINSULA...

SUMMARY OF 500 AM EDT...0900 UTC...INFORMATION

LOCATION...28.9N 82.6W
ABOUT 35 MI...55 KM ESE OF CEDAR KEY FLORIDA
ABOUT 60 MI...100 KM N OF TAMPA FLORIDA
MAXIMUM SUSTAINED WINDS...75 MPH...120 KM/H
PRESENT MOVEMENT...NNW OR 340 DEGREES AT 18 MPH...30 KM/H
MINIMUM CENTRAL PRESSURE...965 MB...28.50 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Hurricane Warning is changed to a Tropical Storm Warning along the Florida west coast south of Anclote River to Bonita Beach, along the Florida east coast south of Sebastian Inlet to Jupiter Inlet, and for Lake Okeechobee.

The Tropical Storm Warnings are discontinued for the Florida Keys, Florida Bay, the Florida east coast south of Jupiter Inlet, the Florida west coast south of Bonita Beach, and for the Northwestern Bahamas.

The Storm Surge Warning is discontinued for the Florida Keys and the Florida coast from North Miami Beach southward around the Florida peninsula to Cape Sable.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

- * South Santee River southward to Jupiter Inlet
- * Cape Sable northward to the Ochlockonee River
- * Tampa Bay

A Hurricane Warning is in effect for...

- * Sebastian Inlet to Fernandina Beach
- * Anclote River to Indian Pass

A Hurricane Watch is in effect for...

- * North of Fernandina Beach to Edisto Beach

A Tropical Storm Warning is in effect for...

- * West of Indian Pass to the Okaloosa/Walton County Line
- * North of Fernandina Beach to South Santee River
- * South of Anclote River to Bonita Beach
- * South of Sebastian Inlet to Jupiter Inlet
- * Lake Okeechobee

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline, during the next 36 hours in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at hurricanes.gov. This is a life-threatening situation. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

Interests elsewhere in the southeastern United States should monitor the progress of Irma.

For storm information specific to your area in the United States, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office. For storm information specific to your area outside the United States, please monitor products issued by your national meteorological service.

DISCUSSION AND 48-HOUR OUTLOOK

At 500 AM EDT (0900 UTC), the center of Hurricane Irma was located near latitude 28.9 North, longitude 82.6 West. Irma is moving toward the north-northwest near 18 mph (30 km/h) and this motion is expected to continue through Tuesday. On the forecast track, the center of Irma will move near the northwestern coast of the Florida Peninsula this morning, cross the eastern Florida Panhandle into southern Georgia this afternoon, and move through southwestern Georgia and eastern Alabama tonight and Tuesday.

Maximum sustained winds have decreased to near 75 mph (120 km/h) with higher gusts. Additional weakening is forecast, and Irma is expected to weaken to a tropical storm this morning and to a tropical depression by Tuesday

afternoon.

Irma has a very large wind field. Hurricane-force winds extend outward up to 60 miles (95 km) mainly to the west of the center, and tropical-storm-force winds extend outward up to 415 miles (665 km). The Mayport Naval Station near Jacksonville, Florida, recently reported sustained winds of 68 mph (109 km/h) and a wind gust of 87 mph (141 km/h).

The estimated minimum central pressure is 965 mb (28.50 inches).

HAZARDS AFFECTING LAND

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach the following HEIGHTS ABOVE GROUND if the peak surge occurs at the time of high tide...

Cape Sable to Captiva...2 to 4 ft

Captiva to Anna Maria Island...3 to 5 ft

North Miami Beach to Cape Sable, including the Florida Keys...1 to 2 ft

Anna Maria Island to Clearwater, including Tampa Bay...2 to 4 ft

South Santee River to Fernandina Beach...4 to 6 ft

Clearwater Beach to Ochlockonee River...4 to 6 ft

Fernandina Beach to Jupiter Inlet...3 to 5 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

WIND: Hurricane conditions should continue over portions of the northern Florida peninsula for the next several hours. Tropical storm conditions will continue across other portions of the central and northern Florida peninsula, and spread into the eastern Florida Panhandle and southern Georgia this morning. Tropical storm and hurricane conditions are expected to spread northward across the remainder of the warning areas through today.

Rainfall: Irma is expected to produce the following rain accumulations through Wednesday:

The Florida Keys and southern Florida peninsula: additional 1 inch.

Central Florida peninsula: additional 1 to 3 inches.

Northern Florida peninsula and southern Georgia: additional 3 to 6 inches with storm total amounts of 8 to 15 inches.

Central Georgia, eastern Alabama and southern South Carolina: 3 to inches, isolated 10 inches.

Central Florida Panhandle, western Alabama, northern Mississippi, southern Tennessee, northern Georgia, northern South Carolina and western North Carolina: 2 to 4 inches.

TORNADOES: A few tornadoes are possible across northeast Florida and southeast portions of Georgia and South Carolina through tonight.

SURF: Swells generated by Irma are affecting the southeast coast of the United States. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

NEXT ADVISORY

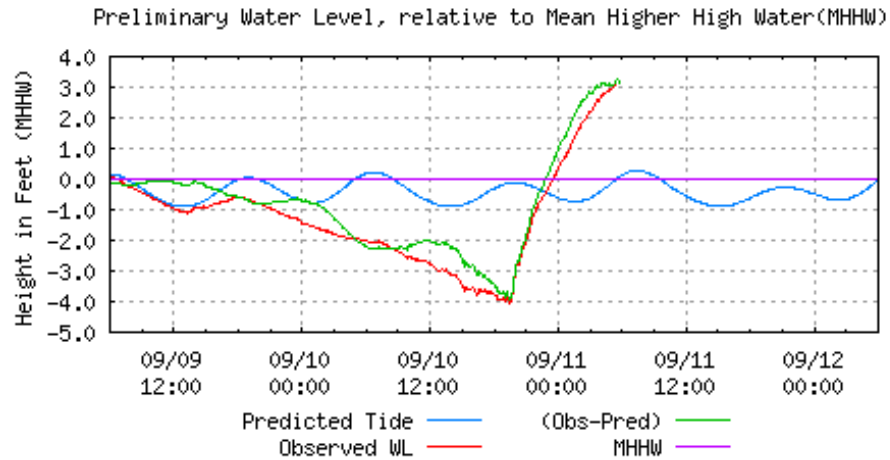
Next intermediate advisory at 800 AM EDT.
Next complete advisory at 1100 AM EDT.

\$\$
Forecaster Beven

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Fort Myers, Caloosahatchee River - Water Level](#), [Fort Myers, Caloosahatchee River - Winds](#), [Fort Myers, Caloosahatchee River - Barometric](#), [Port Manatee - Water Level](#), [Port Manatee - Barometric](#), [St Petersburg, Tampa Bay - Water Level](#), [St Petersburg, Tampa Bay - Winds](#), [St Petersburg, Tampa Bay - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Mckay Bay Entrance - Water Level](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Clearwater Beach - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Apalachicola - Barometric](#), [Panama City Beach - Water Level](#), [Panama City Beach - Winds](#), [Naples, Gulf of Mexico - Water Level](#), [Naples, Gulf of Mexico - Winds](#), [Naples, Gulf of Mexico - Barometric](#), [Vaca Key, Florida Bay - Water Level](#), [Vaca Key, Florida Bay - Winds](#), [Vaca Key, Florida Bay - Barometric](#), [Virginia Key, Biscayne Bay - Water Level](#), [Virginia Key, Biscayne Bay - Winds](#), [Virginia Key, Biscayne Bay - Barometric](#), [Lake Worth Pier, Atlantic Ocean - Water Level](#), [Lake Worth Pier, Atlantic Ocean - Winds](#), [Trident Pier, Port Canaveral - Water Level](#), [Trident Pier, Port Canaveral - Winds](#), [Trident Pier, Port Canaveral - Barometric](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston, Cooper River Entrance - Water Level](#), [Charleston, Cooper River Entrance - Winds](#), [Charleston, Cooper River Entrance - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#)

NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



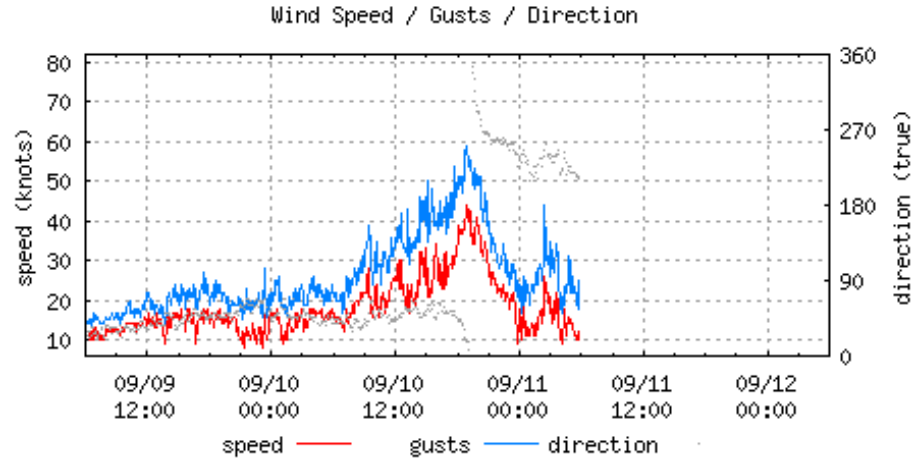
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: 3.14 ft. Predicted: 0.10 ft. Residual: 3.04 ft.

Historical Maximum Water Level: Nov 23 1988, 3.41 ft.

Next High Tide: 09/11/2017 07:25 (EDT), 0.27 ft.

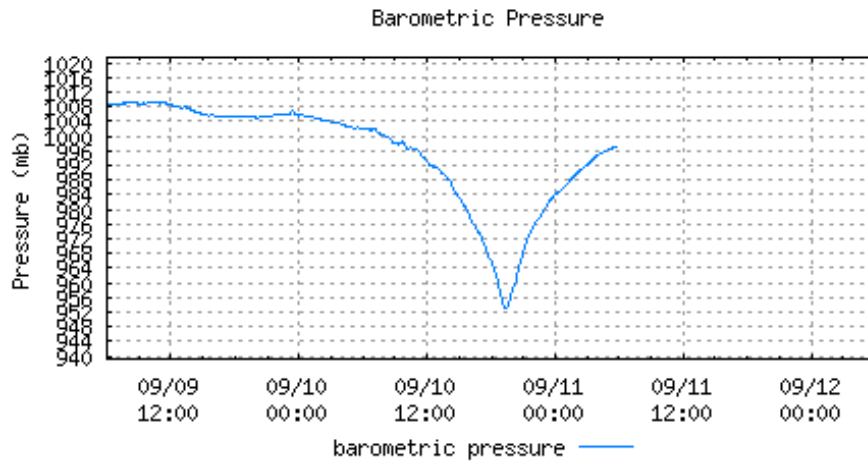
NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 12 knots Gusts: 20 knots Direction: 219° T

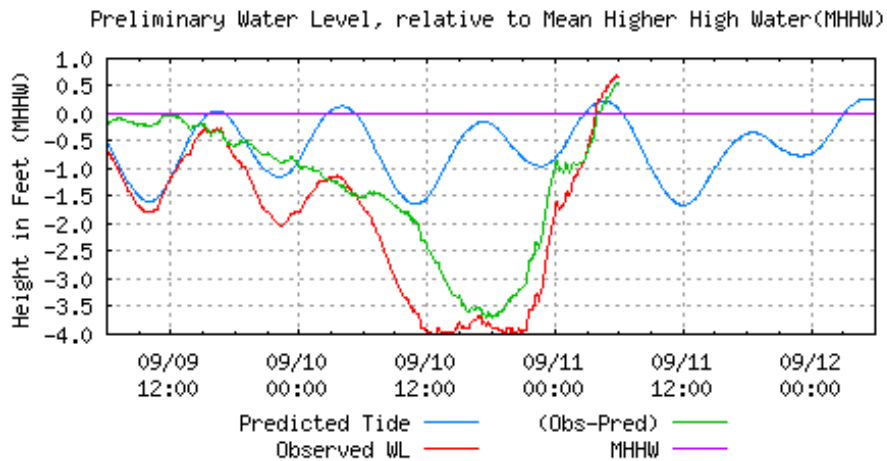
NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 997.5 mb

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



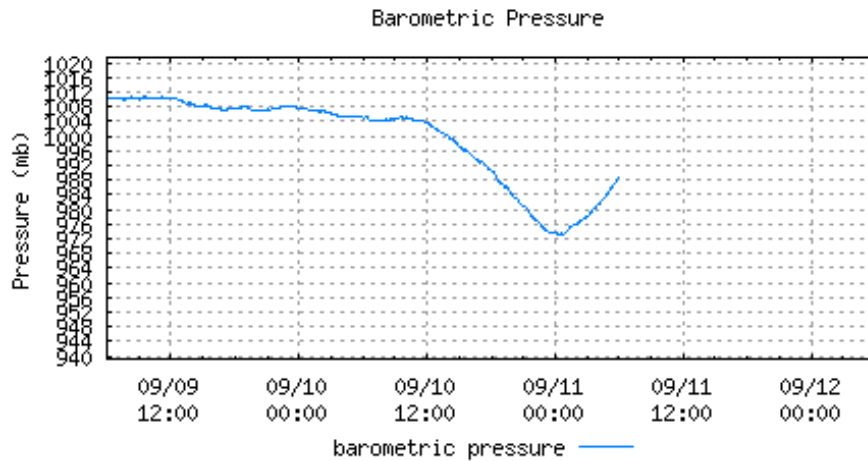
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: 0.66 ft. Predicted: 0.10 ft. Residual: 0.56 ft.

Historical Maximum Water Level: Sep 6 2004, 2.29 ft.

Next High Tide: 09/11/2017 18:31 (EDT), -0.34 ft.

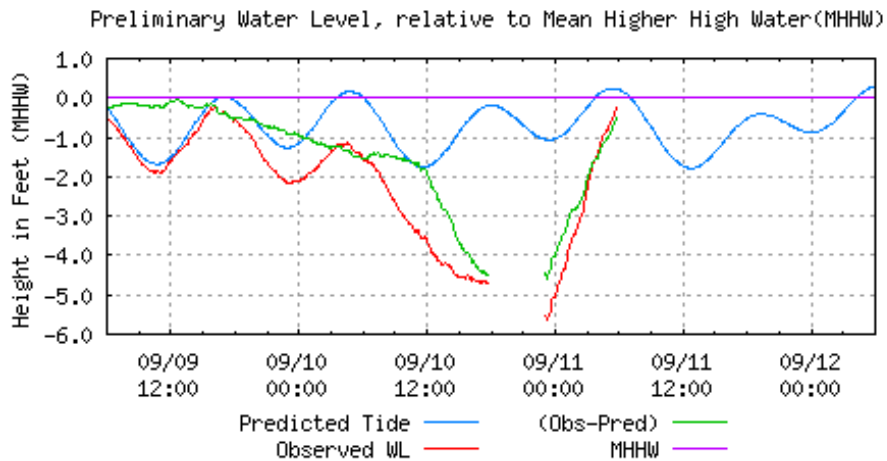
NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 988.8 mb

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL



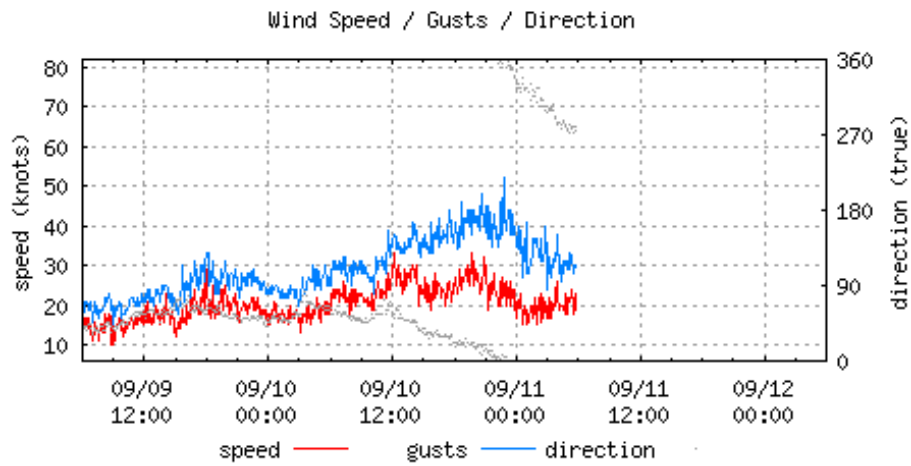
Last Observed Sample: 09/11/2017 05:48 (EDT). Data relative to MHHW

Observed: -0.25 ft. Predicted: 0.23 ft. Residual: -0.48 ft.

Historical Maximum Water Level: Aug 31 1985, 4.00 ft.

Next High Tide: 09/11/2017 19:20 (EDT), -0.41 ft.

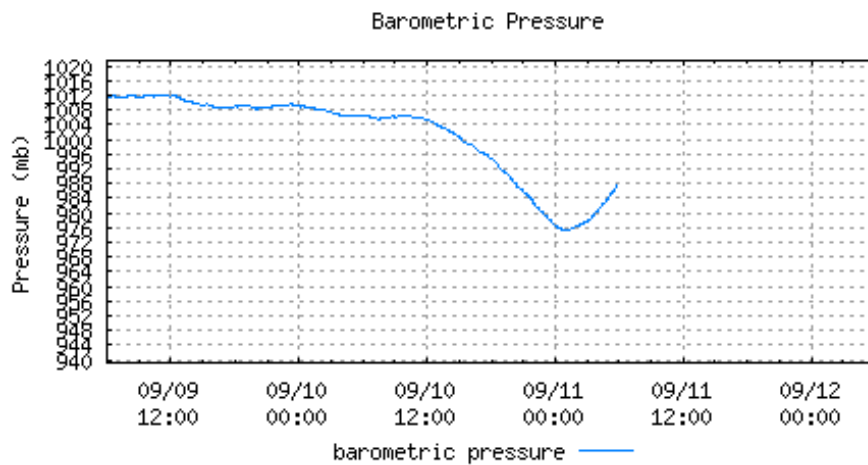
NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL



Last Observed Sample: 09/11/2017 05:48 (EDT)

Wind Speed: 19 knots Gusts: 30 knots Direction: 280° T

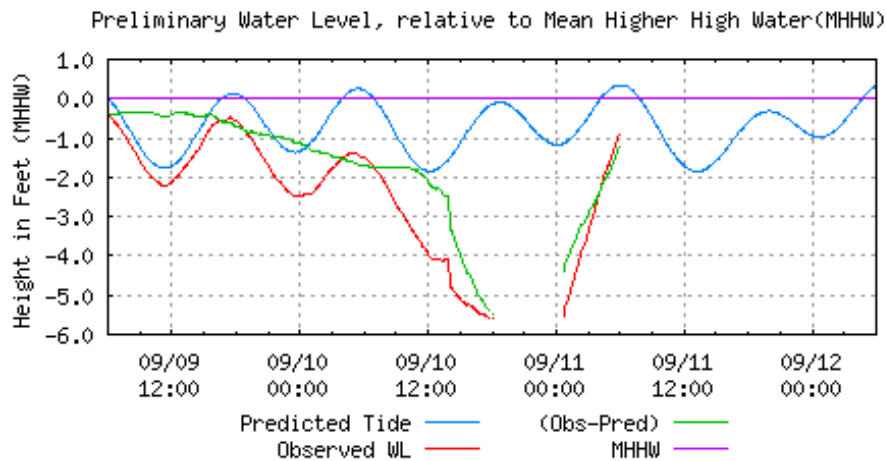
NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL



Last Observed Sample: 09/11/2017 05:48 (EDT)

Barometric Pressure: 987.5 mb

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL



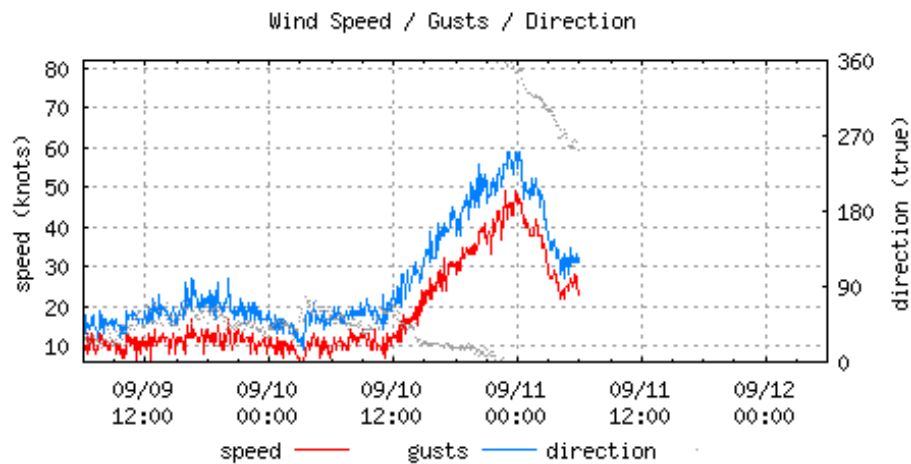
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: -0.91 ft. Predicted: 0.34 ft. Residual: -1.25 ft.

Historical Maximum Water Level: Oct 8 1996, 3.60 ft.

Next High Tide: 09/11/2017 06:02 (EDT), 0.35 ft.

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL

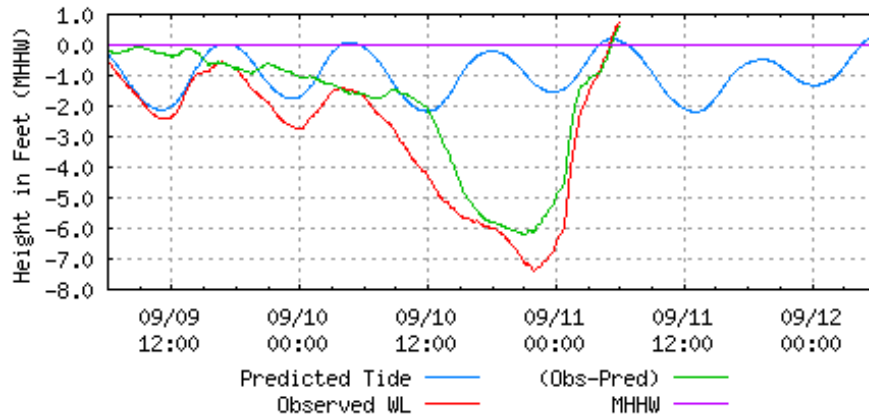


Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 23 knots Gusts: 31 knots Direction: 253° T

NOAA/NOS/CO-OPS 8726667 Mckay Bay Entrance, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

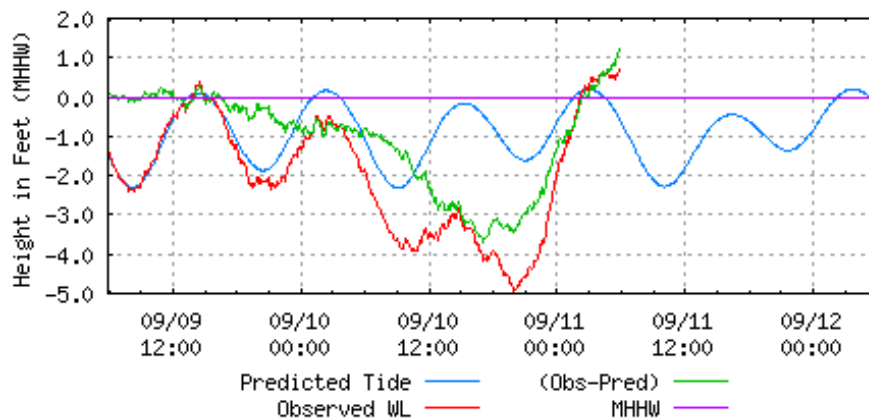
Observed: 0.74 ft. Predicted: 0.15 ft. Residual: 0.59 ft.

Historical Maximum Water Level: Oct 8 1996, 4.32 ft.

Next High Tide: 09/11/2017 19:21 (EDT), -0.48 ft.

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



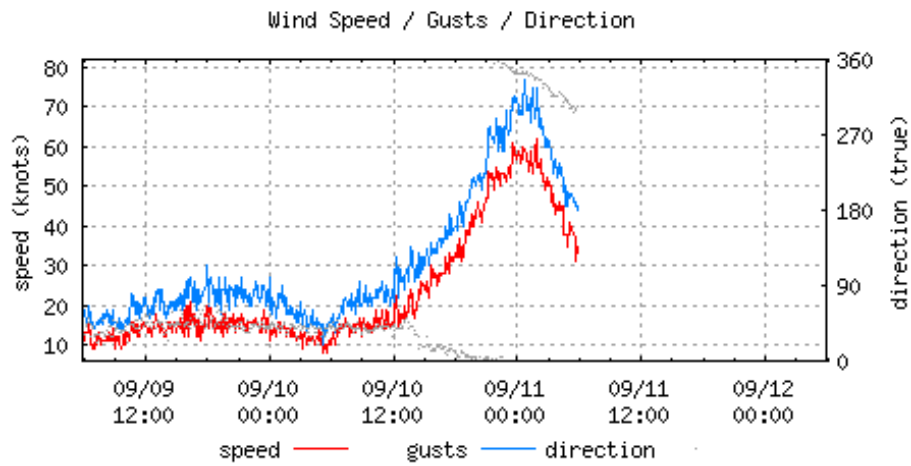
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: 0.51 ft. Predicted: -0.59 ft. Residual: 1.10 ft.

Historical Maximum Water Level: Mar 13 1993, 4.00 ft.

Next High Tide: 09/11/2017 16:23 (EDT), -0.45 ft.

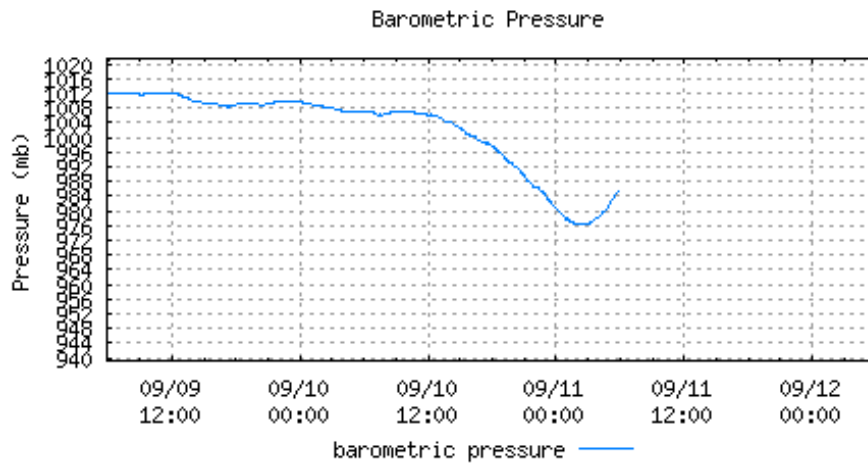
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 35 knots Gusts: 43 knots Direction: 303° T

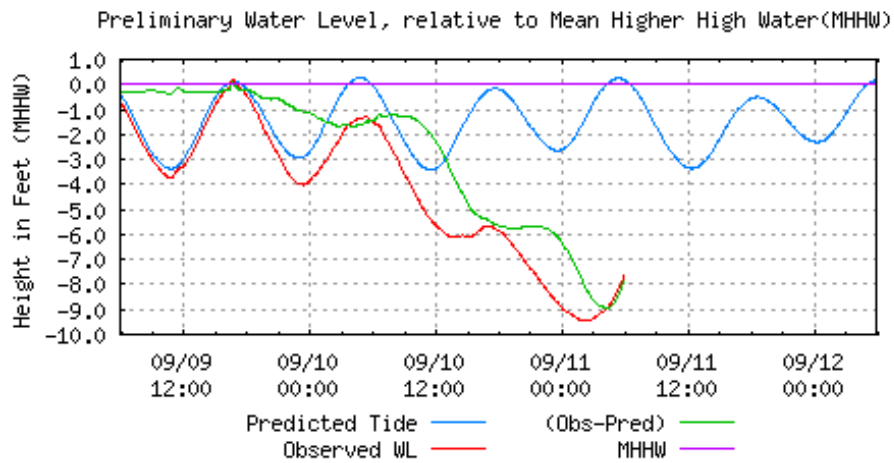
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 985.7 mb

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



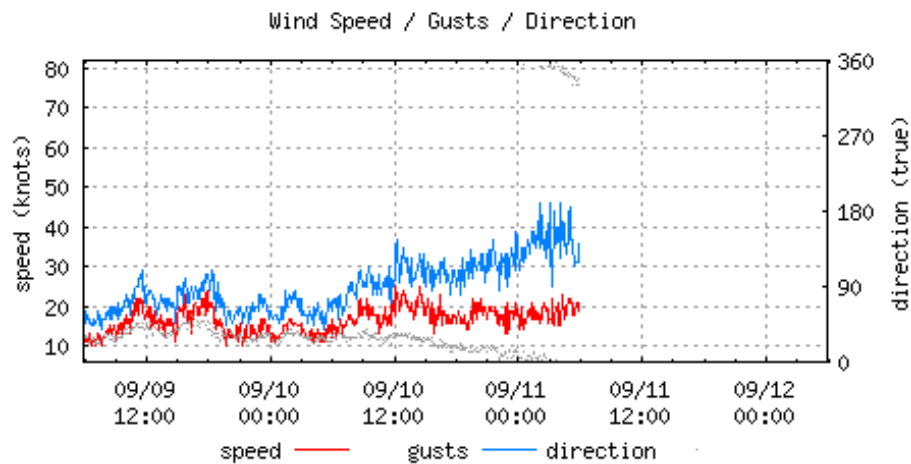
Last Observed Sample: 09/11/2017 06:00 (EDT). Data relative to MHHW

Observed: -7.56 ft. Predicted: 0.17 ft. Residual: -7.73 ft.

Historical Maximum Water Level: Oct 7 1996, 5.15 ft.

Next High Tide: 09/11/2017 18:36 (EDT), -0.50 ft.

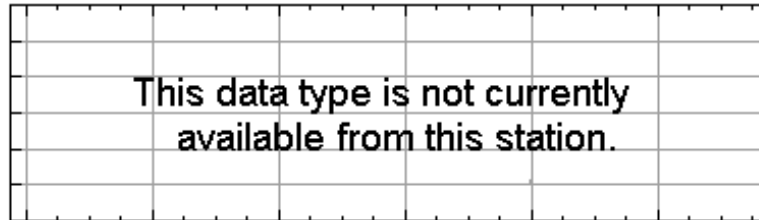
NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 09/11/2017 06:00 (EDT)

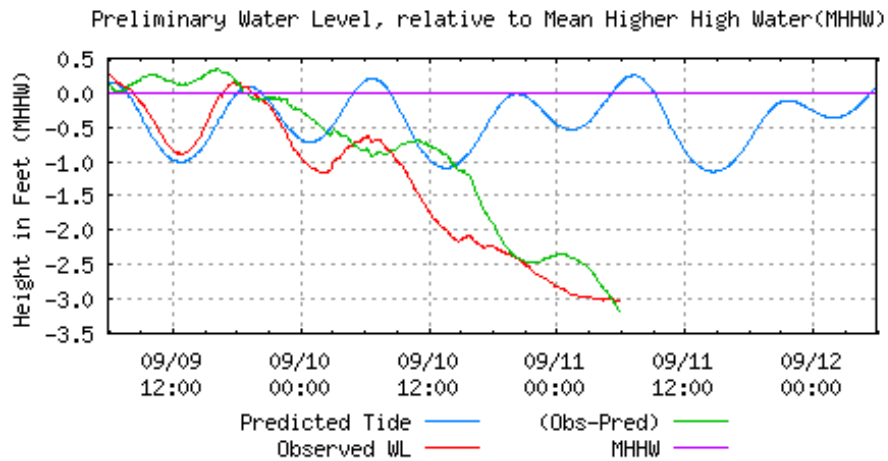
Wind Speed: 17 knots Gusts: 33 knots Direction: 331° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL
NOAA/NOS/CO-OPS



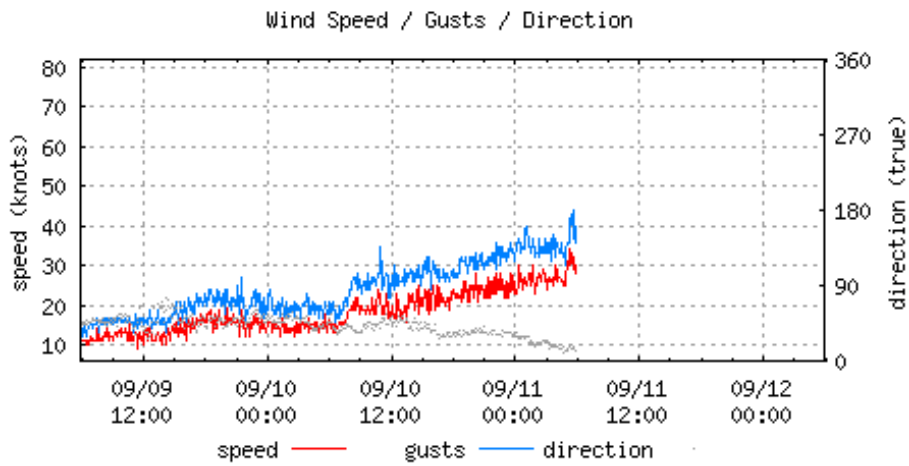
Last Observed Sample: 09/11/2017 06:00 (EDT)
Barometric Pressure: 977.5 mb

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL



Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW
Observed: -3.02 ft. Predicted: 0.15 ft. Residual: -3.17 ft.
Historical Maximum Water Level: Jul 10 2005, 6.43 ft.
Next High Tide: 09/11/2017 07:11 (EDT), 0.25 ft.

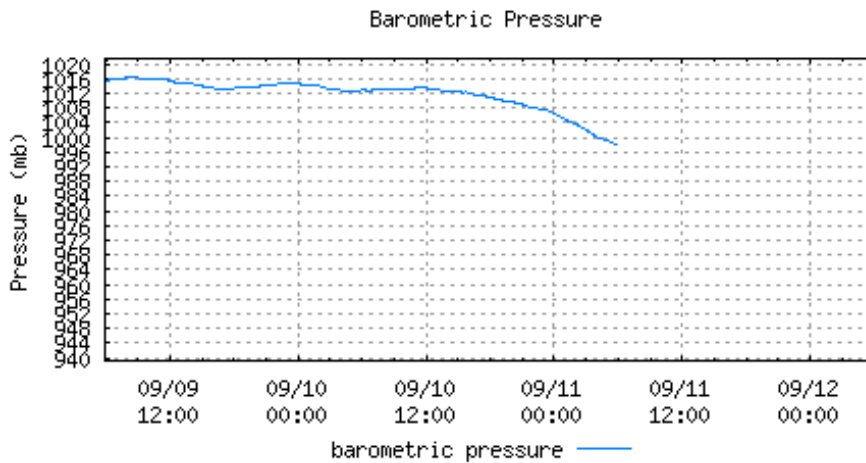
NOAA/NOS/CO-OPS 8728690 Apalachicola, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 29 knots Gusts: 35 knots Direction: 12° T

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL

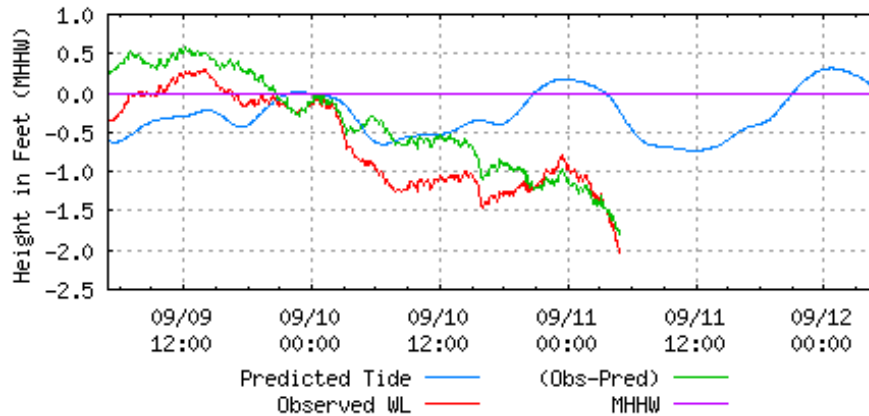


Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 997.9 mb

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 05:00 (CDT). Data relative to MHHW

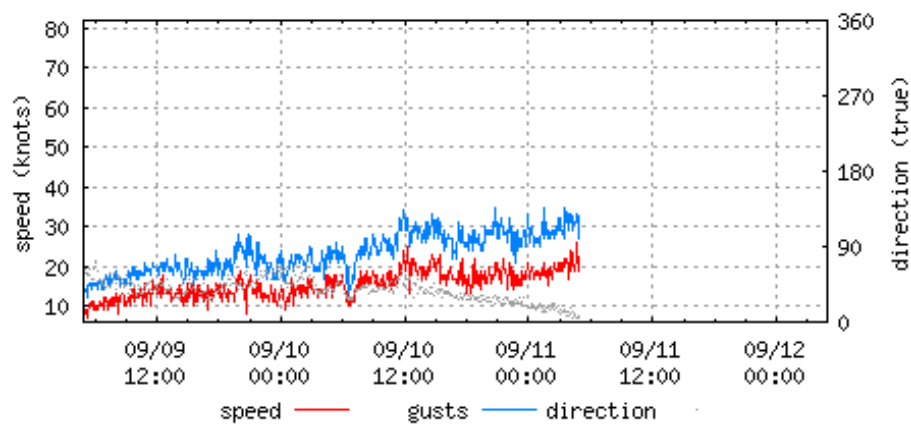
Observed: -2.09 ft. Predicted: -0.26 ft. Residual: -1.83 ft.

Historical Maximum Water Level: Oct 4 1995, 6.84 ft.

Next High Tide: 09/12/2017 00:43 (CDT), 0.32 ft.

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

Wind Speed / Gusts / Direction

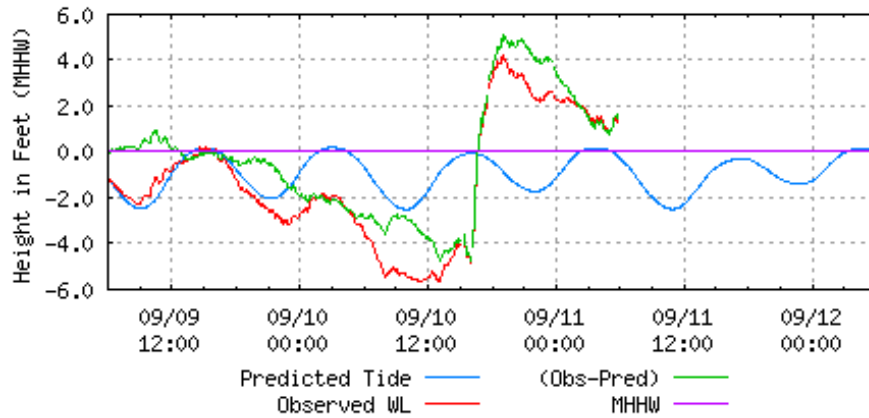


Last Observed Sample: 09/11/2017 05:00 (CDT)

Wind Speed: 18 knots Gusts: 33 knots Direction: 1° T

NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 06:00 (EDT). Data relative to MHHW

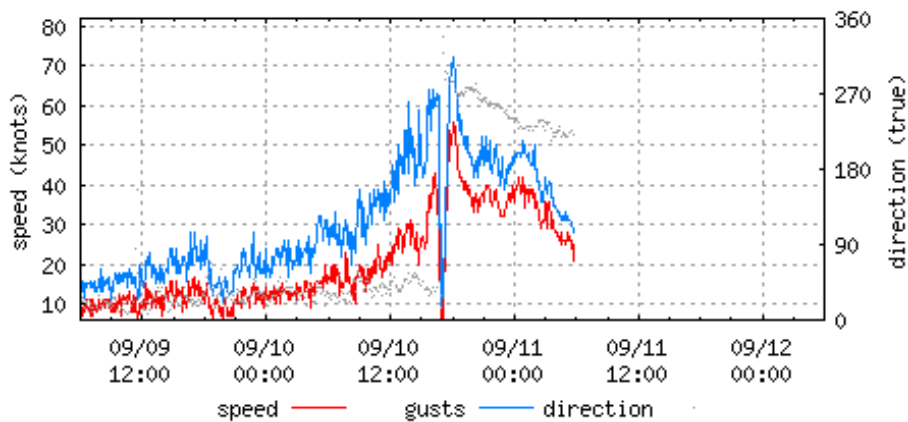
Observed: 1.37 ft. Predicted: -0.27 ft. Residual: 1.64 ft.

Historical Maximum Water Level: Dec 21 1972, 3.11 ft.

Next High Tide: 09/11/2017 17:21 (EDT), -0.29 ft.

NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL

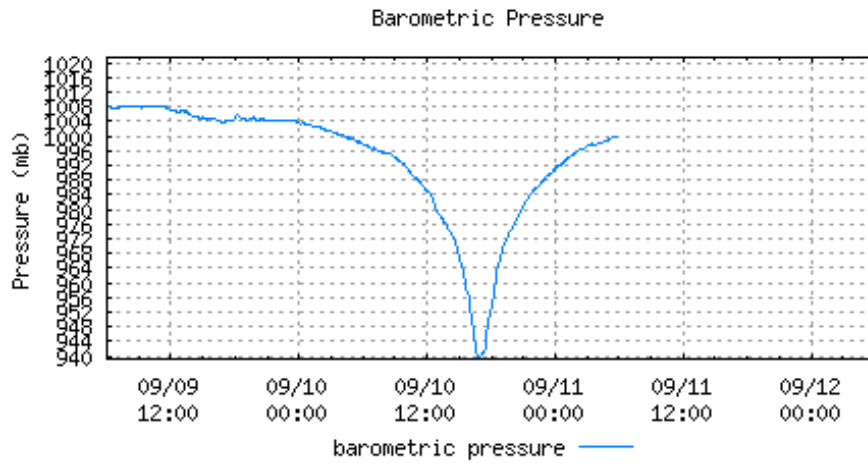
Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2017 06:00 (EDT)

Wind Speed: 24 knots Gusts: 27 knots Direction: 218° T

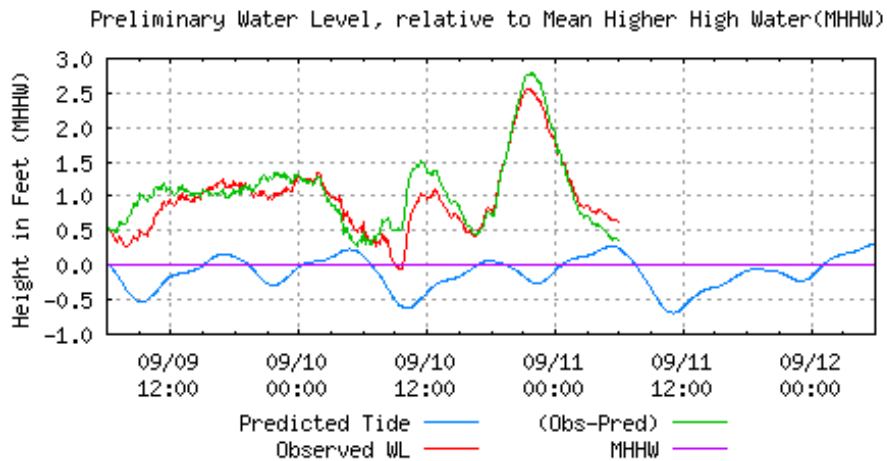
NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



Last Observed Sample: 09/11/2017 06:00 (EDT)

Barometric Pressure: 1000.2 mb

NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL



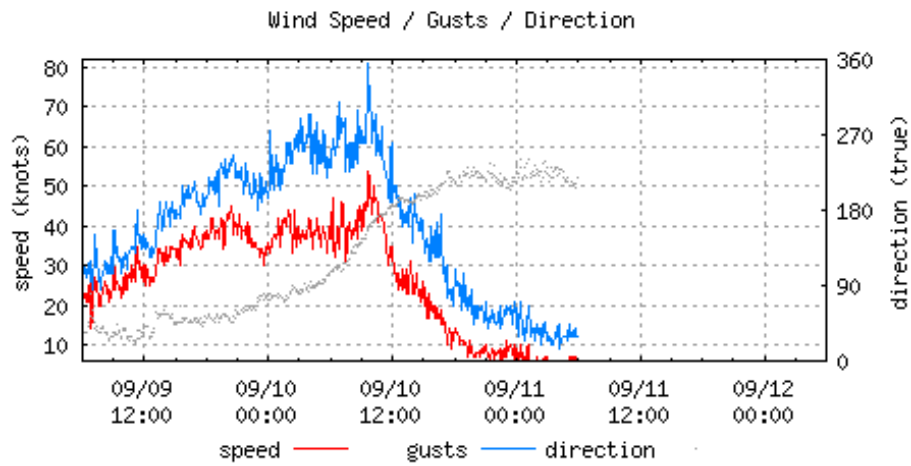
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: 0.62 ft. Predicted: 0.26 ft. Residual: 0.36 ft.

Historical Maximum Water Level: Oct 24 2005, 5.80 ft.

Next High Tide: 09/11/2017 18:47 (EDT), -0.06 ft.

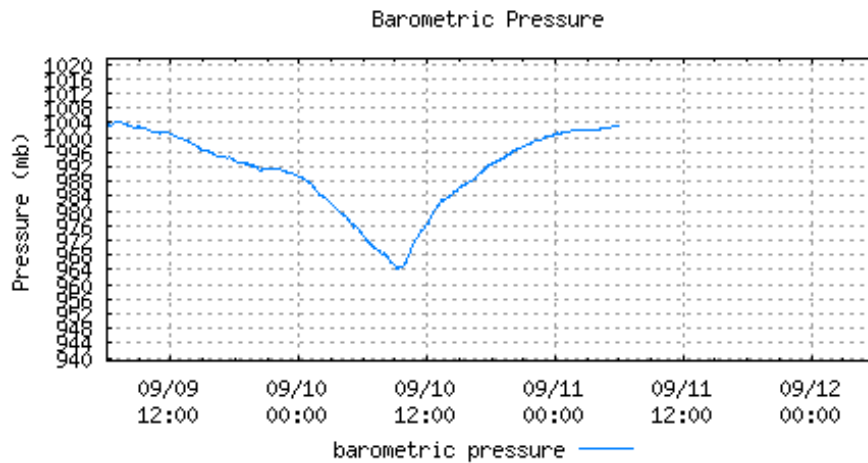
NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 4 knots Gusts: 12 knots Direction: 218° T

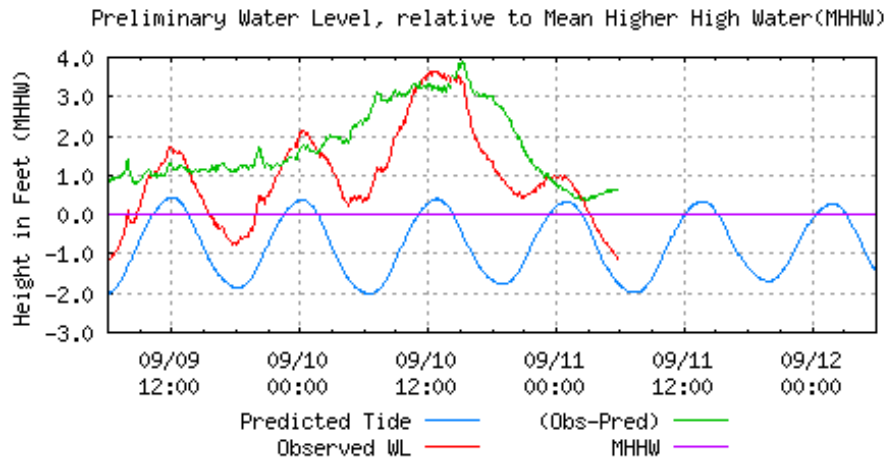
NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 1003.0 mb

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



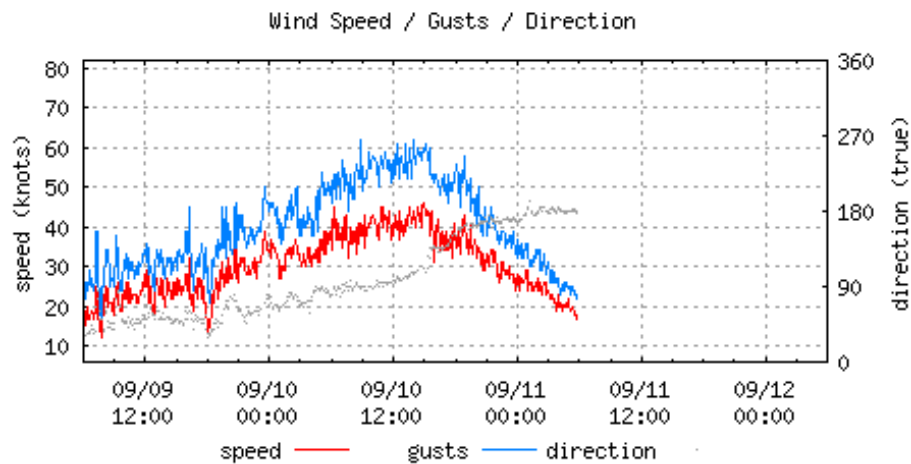
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: -1.17 ft. Predicted: -1.77 ft. Residual: 0.60 ft.

Historical Maximum Water Level: Oct 24 2005, 2.58 ft.

Next High Tide: 09/11/2017 13:44 (EDT), 0.35 ft.

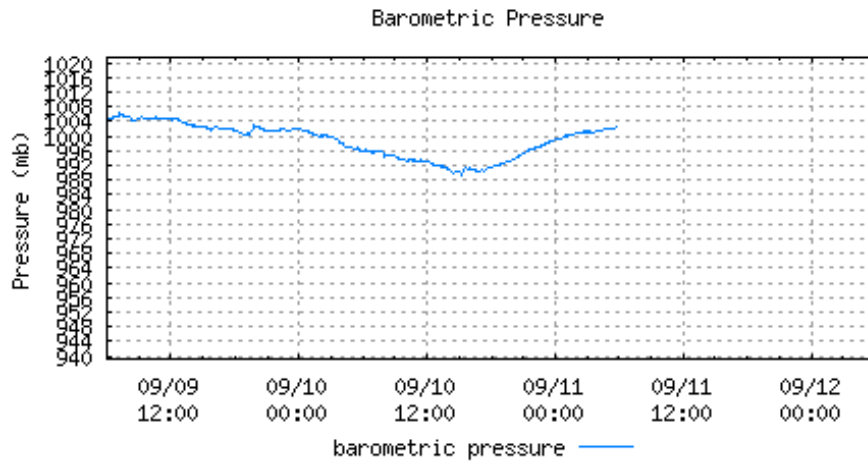
NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 18 knots Gusts: 20 knots Direction: 178° T

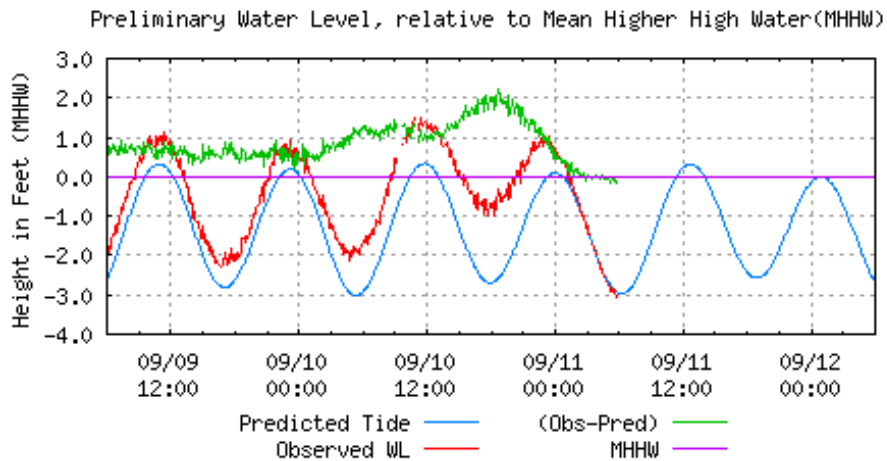
NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 1002.6 mb

NOAA/NOS/CO-OPS 8722670 Lake Worth Pier, Atlantic Ocean, FL



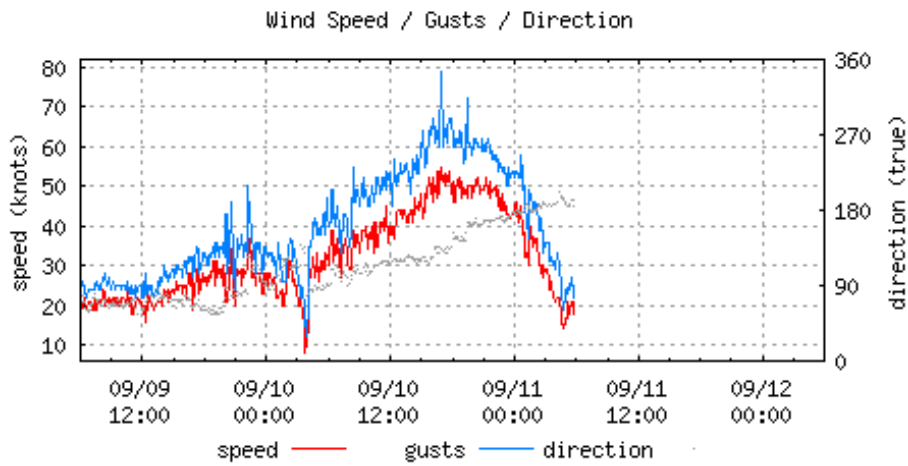
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: -2.98 ft. Predicted: -2.95 ft. Residual: -0.03 ft.

Historical Maximum Water Level: Oct 28 2012, 2.00 ft.

Next High Tide: 09/11/2017 12:39 (EDT), 0.31 ft.

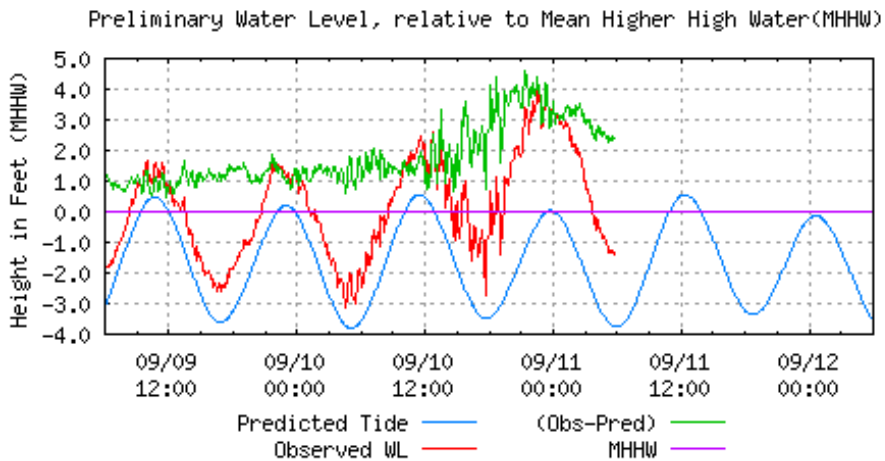
NOAA/NOS/CO-OPS 8722670 Lake Worth Pier, Atlantic Ocean, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 16 knots Gusts: 21 knots Direction: 186° T

NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL



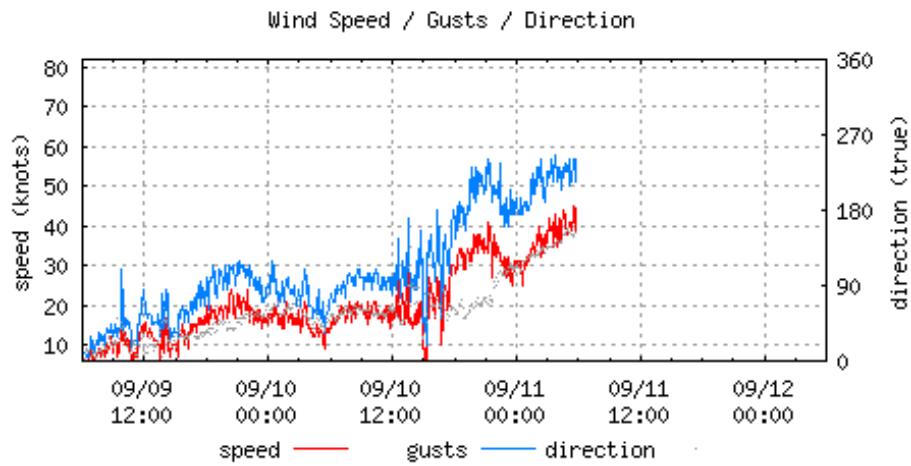
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: -1.47 ft. Predicted: -3.76 ft. Residual: 2.29 ft.

Historical Maximum Water Level: Sep 26 2004, 4.01 ft.

Next High Tide: 09/11/2017 12:19 (EDT), 0.55 ft.

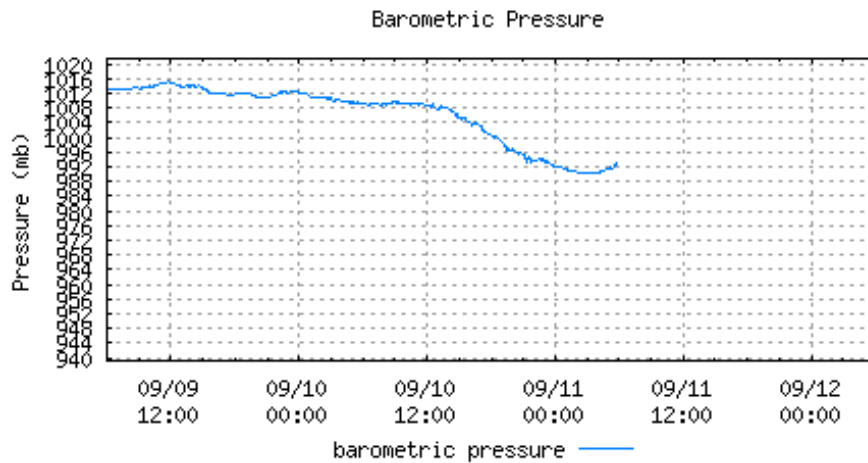
NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 42 knots Gusts: 52 knots Direction: 157° T

NOAA/NOS/CO-OPS 8721604 Trident Pier, Port Canaveral, FL

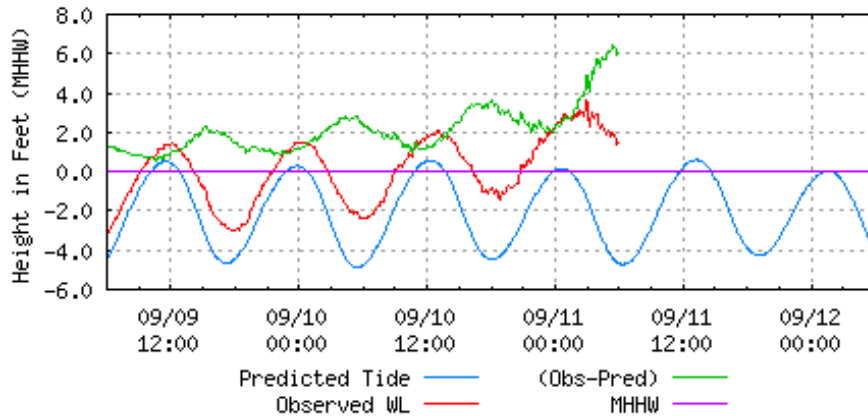


Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 993.1 mb

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

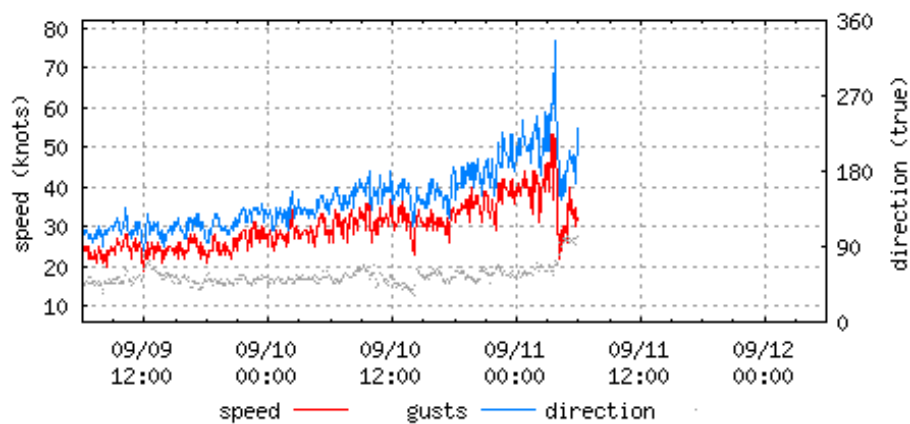
Observed: 1.43 ft. Predicted: -4.65 ft. Residual: 6.08 ft.

Historical Maximum Water Level: Oct 7 2016, 3.22 ft.

Next High Tide: 09/11/2017 13:12 (EDT), 0.59 ft.

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

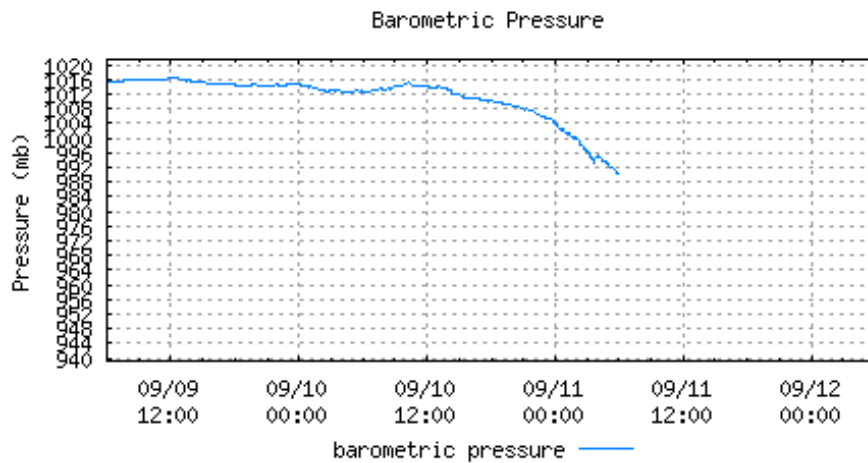
Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 32 knots Gusts: 55 knots Direction: 101° T

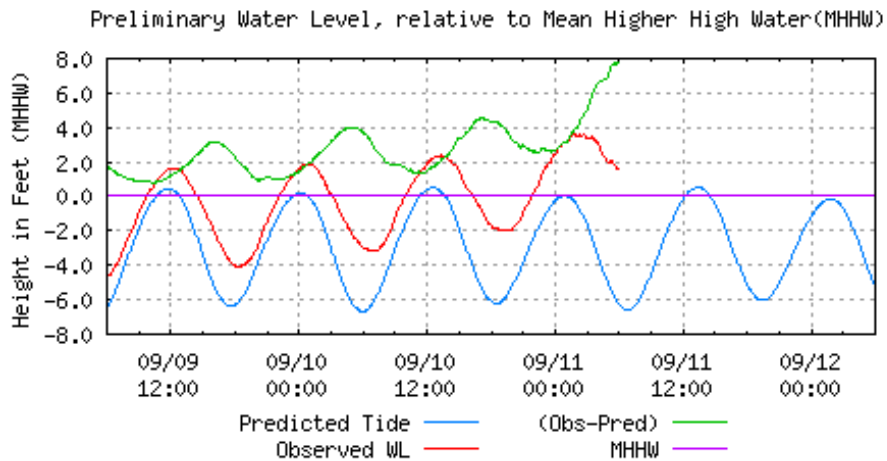
NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 990.5 mb

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



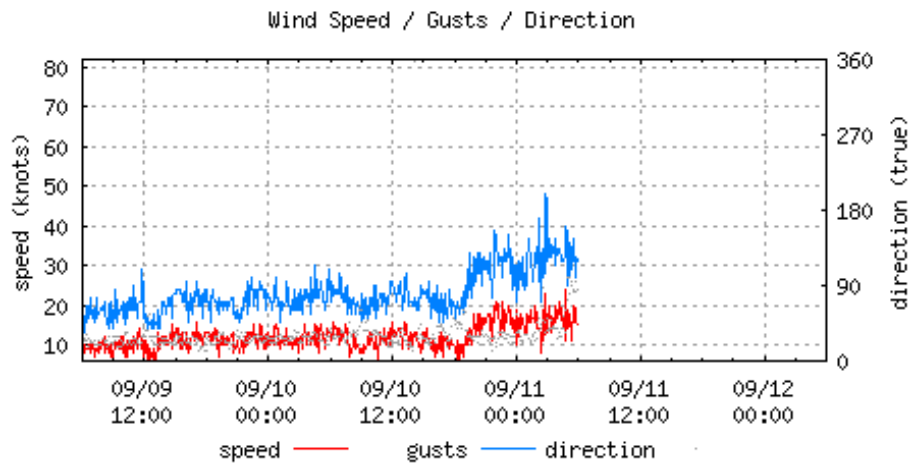
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: 1.56 ft. Predicted: -6.19 ft. Residual: 7.75 ft.

Historical Maximum Water Level: Oct 2 1898, 6.94 ft.

Next High Tide: 09/11/2017 13:24 (EDT), 0.53 ft.

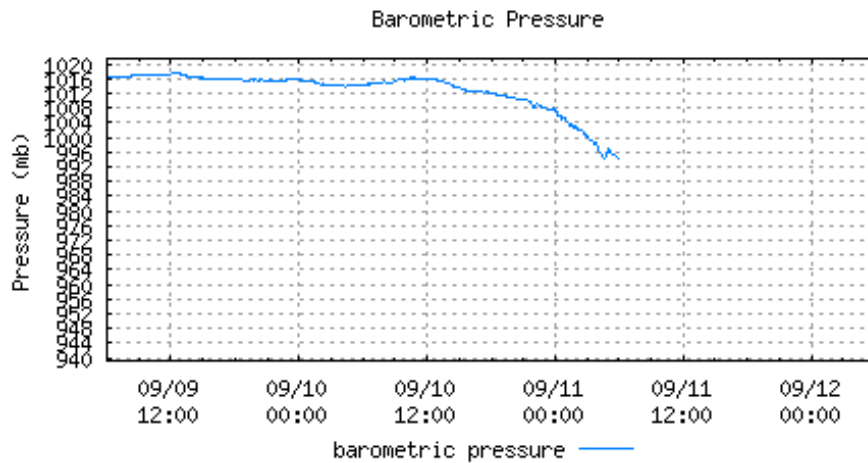
NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 15 knots Gusts: 31 knots Direction: 85° T

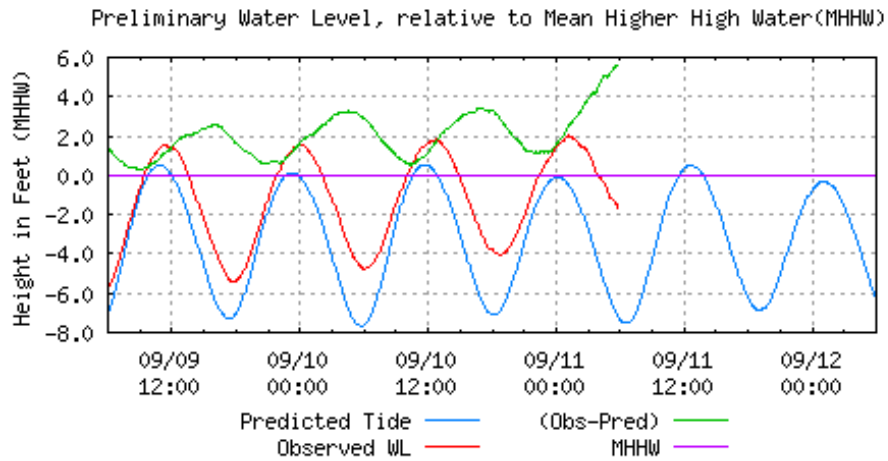
NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 994.2 mb

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



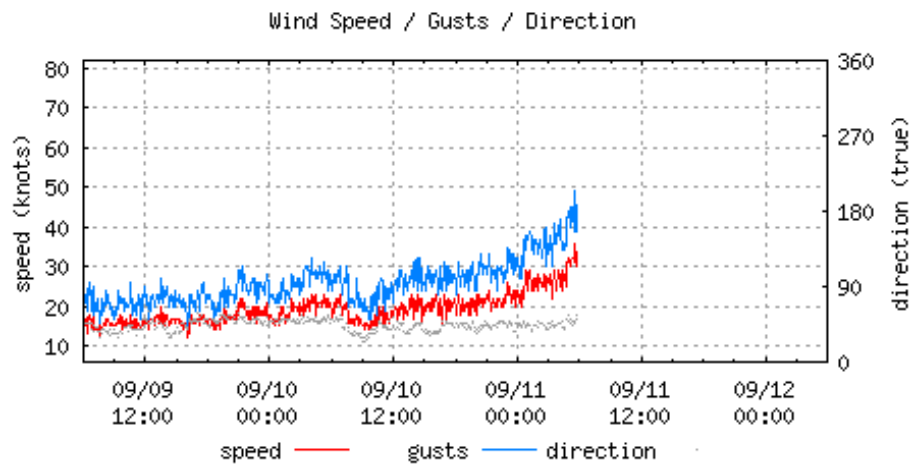
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: -1.72 ft. Predicted: -7.28 ft. Residual: 5.56 ft.

Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 09/11/2017 12:37 (EDT), 0.51 ft.

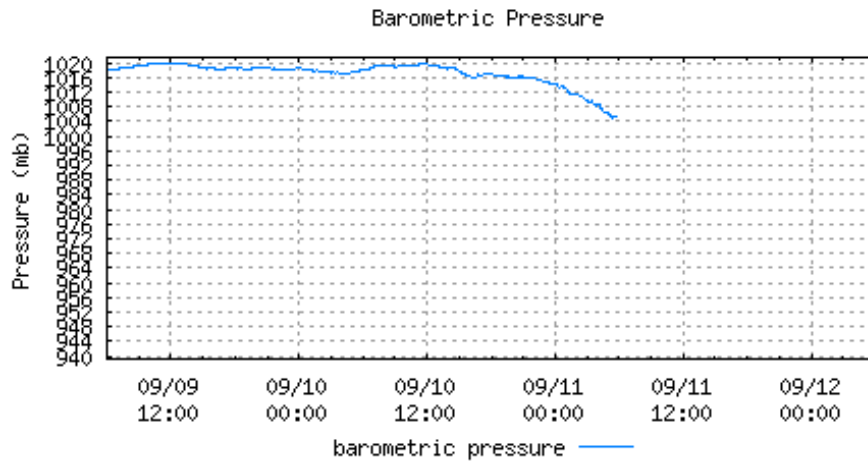
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 30 knots Gusts: 38 knots Direction: 52° T

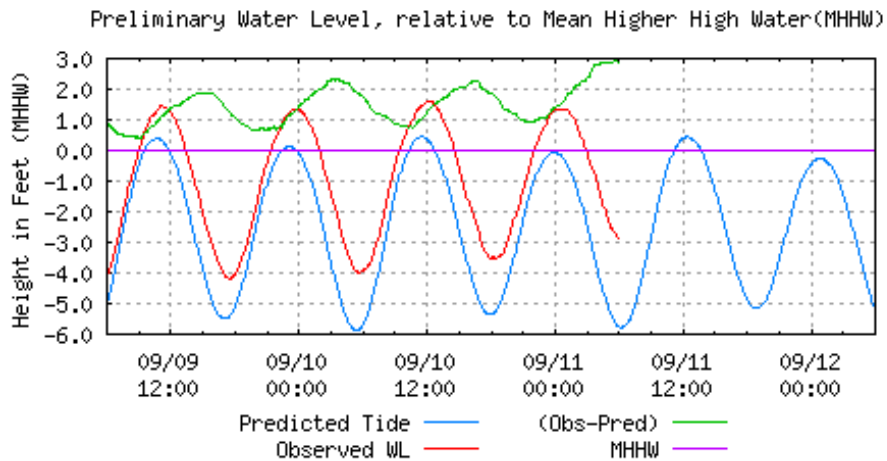
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 1005.5 mb

NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



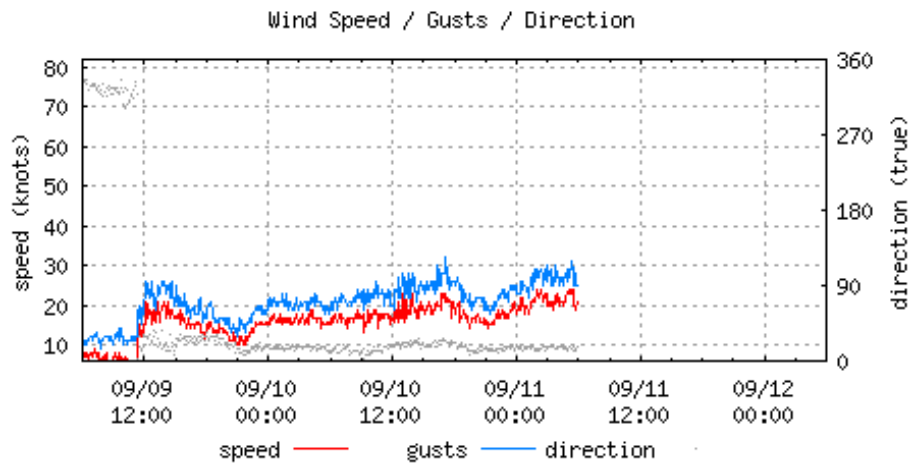
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: -2.84 ft. Predicted: -5.73 ft. Residual: 2.89 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 09/11/2017 12:23 (EDT), 0.44 ft.

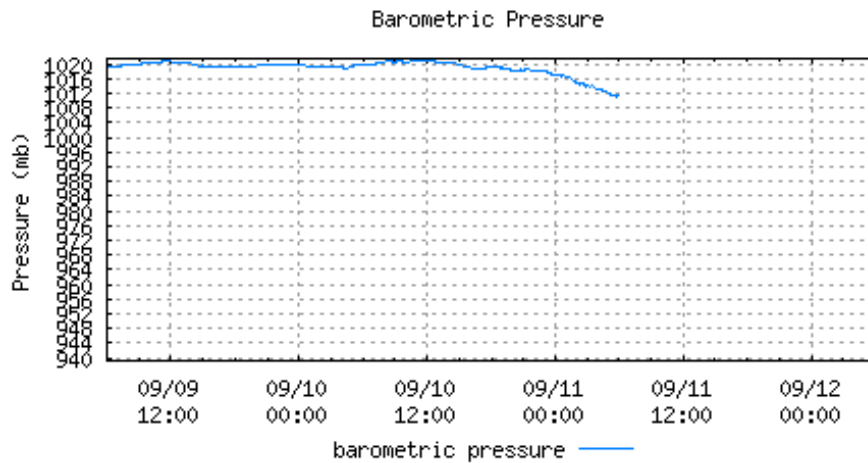
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/11/2017 05:54 (EDT)

Wind Speed: 21 knots Gusts: 25 knots Direction: 17° T

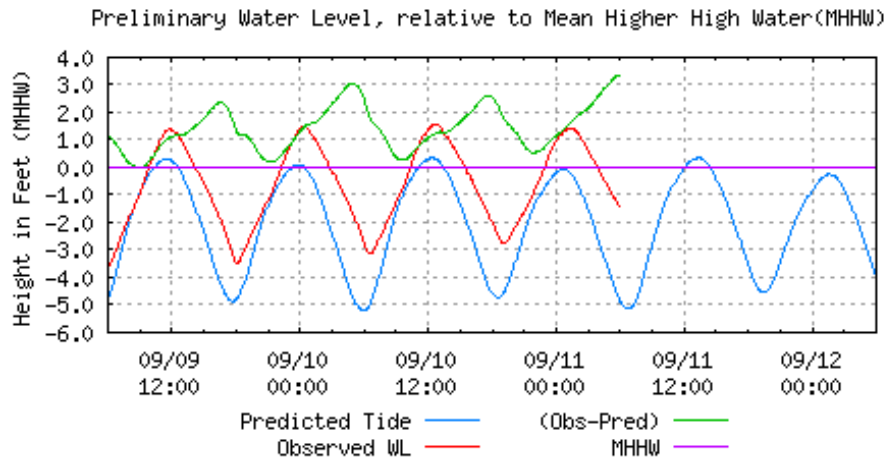
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/11/2017 05:54 (EDT)

Barometric Pressure: 1011.3 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC



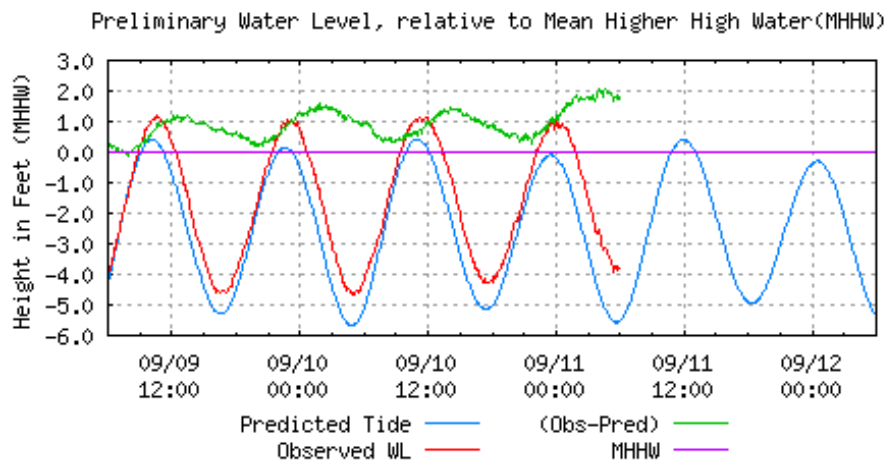
Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: -1.42 ft. Predicted: -4.78 ft. Residual: 3.36 ft.

Historical Maximum Water Level: Oct 8 2016, 4.64 ft.

Next High Tide: 09/11/2017 13:19 (EDT), 0.35 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



Last Observed Sample: 09/11/2017 05:54 (EDT). Data relative to MHHW

Observed: -3.79 ft. Predicted: -5.54 ft. Residual: 1.75 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 09/11/2017 11:56 (EDT), 0.41 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8725520	Fort Myers, Caloosahatchee River, FL	09/11/2017 05:54 (EDT)	3.14 ft	0.10 ft	3.04 ft	3.28 ft
8726384	Port Manatee, FL	09/11/2017 05:54 (EDT)	0.66 ft	0.10 ft	0.56 ft	0.70 ft
8726520	St Petersburg, Tampa Bay, FL	09/11/2017 05:48 (EDT)	-0.25 ft	0.23 ft	-0.48 ft	-0.25 ft
8726607	Old Port Tampa, FL	09/11/2017 05:54 (EDT)	-0.91 ft	0.34 ft	-1.25 ft	-0.91 ft
8726667	Mckay Bay Entrance, FL	09/11/2017 05:54 (EDT)	0.74 ft	0.15 ft	0.59 ft	0.74 ft
8726724	Clearwater Beach, FL	09/11/2017 05:54 (EDT)	0.51 ft	-0.59 ft	1.10 ft	0.68 ft
8727520	Cedar Key, FL	09/11/2017 06:00 (EDT)	-7.56 ft	0.17 ft	-7.73 ft	-1.50 ft
8728690	Apalachicola, FL	09/11/2017 05:54 (EDT)	-3.02 ft	0.15 ft	-3.17 ft	-0.61 ft
8729210	Panama City Beach, FL	09/11/2017 05:00 (CDT)	-2.09 ft	-0.26 ft	-1.83 ft	-0.80 ft
8725110	Naples, Gulf of Mexico, FL	09/11/2017 06:00 (EDT)	1.37 ft	-0.27 ft	1.64 ft	4.24 ft
8723970	Vaca Key, Florida Bay, FL	09/11/2017 05:54 (EDT)	0.62 ft	0.26 ft	0.36 ft	2.57 ft
8723214	Virginia Key, Biscayne Bay, FL	09/11/2017 05:54 (EDT)	-1.17 ft	-1.77 ft	0.60 ft	3.66 ft
8722670	Lake Worth Pier, Atlantic Ocean, FL	09/11/2017 05:54 (EDT)	-2.98 ft	-2.95 ft	-0.03 ft	1.49 ft
8721604	Trident Pier, Port Canaveral, FL	09/11/2017 05:54 (EDT)	-1.47 ft	-3.76 ft	2.29 ft	4.18 ft
8720218	Mayport (Bar Pilots Dock), FL	09/11/2017 05:54 (EDT)	1.43 ft	-4.65 ft	6.08 ft	3.62 ft
8720030	Fernandina Beach, FL	09/11/2017 05:54 (EDT)	1.56 ft	-6.19 ft	7.75 ft	3.60 ft
8670870	Fort Pulaski, GA	09/11/2017 05:54 (EDT)	-1.72 ft	-7.28 ft	5.56 ft	2.06 ft
8665530	Charleston, Cooper River Entrance, SC	09/11/2017 05:54 (EDT)	-2.84 ft	-5.73 ft	2.89 ft	1.63 ft
8662245	Oyster Landing (N Inlet Estuary), SC	09/11/2017 05:54 (EDT)	-1.42 ft	-4.78 ft	3.36 ft	1.56 ft
8661070	Springmaid Pier, SC	09/11/2017 05:54 (EDT)	-3.79 ft	-5.54 ft	1.75 ft	1.14 ft

